

INDEX

- Albon, Steve 42
 Alvey, John 13
 AT&T 149
 Austen, Jane 101, 102, 103, 107
 Austin, J. L. 117, 118
 authorship 107–11
 avant-garde music 140–2
- Bach, J. S. 139
 Bakhtin, Mikhail 105, 110
 Balzac, Honoré de 106
 Barlow, Horace 10
 Barthes, Roland 106, 108, 109
 bass lines 138–40
 Bateson, Patrick 3, 11
 Beckett, Samuel 105
 Beethoven, Ludwig van 134, 137
 behaviour (*see* body language;
 communication, non-verbal)
 belief
 in communication 89–95
 knowledge of 91, 104
 second order belief 92–3
 unconscious belief 92–3
 Bell, Alexander G. 144
 Benjamin, Walter 100
 body language 117 (*see also* communication,
 non-verbal)
 of animals 35–50; in conflict 38–43; in co-
 operation 45–9; in courtship 43–4; and
 learning signals 49–50
 and telling the truth or lying 94
 Bond, Alan 41
- Boulez, Pierre 141
 brain (*see* neocortex)
 Braitenberg, Valentino 24
 British Telecom 149, 152, 153
 Brookes, Robert 5
 Brontë, Charlotte 99
 Byatt, A. S. 109, 111
- Cage, John 141
 Cheney, Dorothy 49
 Chomsky, Noam 8, 10, 50, 53, 89
 Clarke, Arthur C. 13
 Clutton-Brock, Tim 42
 cognitive science
 and the 'cognitive revolution' 56–8
 and reduction to physics 58–9
 communication
 between animals 35–54
 within the brain 14–34
 and contextual interpretation 8–9; in
 music 126–7
 and convention 3
 of emotions 6; in music 128–9
 between insects 2–4
 and language (*see* language)
 and music (*see* music)
 its nature 1–13
 non-verbal 113–24 (*see also* body
 language); and apology 123; and
 legitimate behaviour 120–1; and
 remedial behaviour 122–4; and social
 norms 119–21
 and the novel (*see* novel)

Index

- communication – *contd.*
 and technology 143–60
 as the transferral of beliefs 3–5, 89–95
 of truths 81–95
 computers 146–8
 convention
 and communication 3
 in music 128
- Darwin, Charles 1, 6, 36
 Davidson, Donald 69
 Davis, Lennard J. 100
 Dawkins, Richard 36
 deconstructionism 108
 deep structure 75–7
 Derrida, Jacques 8, 108
 Descartes, René 59
 Dummett, Michael 66
- Edwards, Betty 114
 Eliot, George 98
 emotion
 its communication 6
 in music 128–9
 Empson, Sir William 10
 evolution
 of communication between animals 36–54
 of human language 50–3
- Farrell, J. 41
 Fielding, Henry 96, 101
 Forster, E. M. 104
 Foucault, Michel 107, 108
 Freud, Sigmund 100
 Frisch, Karl von 3, 48
- Gazdar, Gerald 70
 generative grammar 61–7
 Gibbon, R. 41
 Goehr, Alexander 12
 Goffmann, Erving 12, 119–24 *passim*
 Gould, Jim 48
 Gould, Stephen 72
 grammar
 generative 61–7; in ‘E-languages’ 62–3;
 in ‘I-languages’ 61–2
 universal 69
 and the well-formedness of
 expressions 64–6
 Greene, Graham 104
 Gross, C. G. 27
- Hebb, Donald 32
- Heidegger, Martin 8
 Hemingway, Ernest 104
 Herrick, C. J. 14, 33
 Hinde, Robert 41
 Hubel, David 24, 31
 Humboldt, Wilhelm von 59
- information (*see* communication)
- James, Henry 101
 Josipovici, Gabriel 104
 Joyce, James 101, 104
- Kafka, Franz 132, 133
 Keller, H. 138
 Kraus, Karl 131
- language
 its acquisition 68, 72–5
 as a class of well-formed
 expressions 62–6
 and communication 5–7
 as a computational system and
 lexicon 73–8
 its evolution 50–3, 72, 78–80
 as internalised generative structure 61
 knowledge of 60–2
 and the mind 56–80
 as social convention 66–7
 and unconscious processes 7
- Lawrence, D. H. 104
 Levick, W. R. 25
 Lewontin, Richard 72
 lexicon 6, 73, 75–7
 Lodge, David 12
 logical form 75–7
 Lukács, Georg 104
 lying 93–4
 Lyons, Sir John 127n
- Maine, Sir Basil 127n
 Maynard Smith, J. 39
 Mellor, D. H. 9, 10
 melody 138–40
 Messiaen, Olivier 131
 Meyer, L. B. 138
 micro-electronics 146–8
 Miller, Jonathan 12
 Mozart, Wolfgang Amadeus 136
- music
 avant-garde 140–2
 and bass lines 138–40
 as communication 125–42

- music – *contd.*
 its meaning; and complexity 136–40; and context 126–7; and convention 128; and difficulty of performing 133–5; and emotional affect 128–9; to listeners 128–31; to performers 131–2; and ritual 133
 and melody 138–40
 the politics of its production 125
- natural selection (*see* evolution)
 Needham, Roger 154
 neocortex 22–33
 communication within 14–34
 its evolutionary origin 22–3
 learning/modification within 27–33
 its structure 23–4
 neurons 15–17
 novel
 and authorship 107–11
 as communication 96–112
 and indirect speech 102–3
 and multiple interpretation 106–7, 110–11
 as narrative 98–9
 and realism 99–100
 and story telling 100–2
 and stream-of-consciousness 103–5
- Oatley, Keith 6
 observation 84–7
 optical fibre 149–54
 its applications 154
 its capacities 150–3
 its size 149
 and television 157, 159–60
 Ortega y Gasset, José 99
 Oyster, Clyde 20
- parsing 69–71, 78–9
 Pepperberg, Irene 51
 perception (*see* vision; observation)
 performance art 115
 phonetic form 75–7
- Quine, W. V. O. 63
- Reeve, Clara 99
 Reichert, S. E. 39
 representation (*see also* belief)
 in communication 4
 and knowing a language 59–60
 retina (*see* vision)
- Rousseau, Jean Jacques 139
- Saussure, Ferdinand de 4
 Seyfarth, Robert 49
 signals (*see* body language, of animals)
 Simpson, J. J. 21
 Smith, Elliot 22
 Smith, William 99
 solipsism 104, 131
 speech acts 116
 Stockhausen, Karlheinz 141
 Stravinsky, Igor 134
 switching 145
 symbols
 in behaviour (*see* body language; communication, non-verbal)
 in language (*see* language)
 syntax (*see also* grammar)
 in music 128
 Szentagothai, Janos 29
- technology
 and communication 143–60
 the value of its application 143–4, 155–7
- telephone 144
 cellular 157
 cordless 158
 television 154, 157, 159–60
 Thompson, D'Arcy 72
- truth
 Aristotle's definition 81–2
 its acquisition 83–95; via
 observation 84–7; via
 communication 87–95
 telling 81–95
 its utility 82–3
- universal grammar
- Valéry, Paul 10
 vision 17–22
 and projective zones 20–2
 and receptive fields 17–18
 and the retina 17
 and trigger features 19
 Volkswagen 154
- Waugh, Evelyn 104
 Webern, Anton von 135
 Wiesel, Torsten 24, 31
 Wittgenstein, Ludwig 113
 Woolf, Virginia 102, 103
- Zapp, Morris 106